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CLASSIFICATION RESTRICTED USECURITY INFORMATION CENTRAL INTELLIGENCE AGENCY

14/2 REPORT

INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS

CD NO.

COUNTRY

DATE OF

INFORMATION

1953

SUBJECT

Crientific - Miscellaneous, Academy of Sciences, elections

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PUBLISHED Daily newspapers

Moscov

USSR

DATE DIST. 24 NOV 1953

WHERE

PUBLISHED

NO. OF PAGES 28

DATE

PUBLISHED

Oct 1953

SUPPLEMENT TO

LANGUAGE Russian REPORT NO.

THE UNITED STATES, WITHIN THE MEANING OF TITLE 16. SECTIONS 7 ND 784, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVI Ation of its contents to or receipt by an unauthorized person i

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ELECTIONS TO ACADEMY OF SCIENCES USSR

Comment: The following report on candidates for election to the Academy of Sciences USSR is in two parts. Part I is a summary of a newspaper article by Academician A. N. Nesmeyanov, President of the Academy of Sciences USSR, published in Prayda, 11 October 1953. Part II is a list of names of candidates for election to Academician published in <u>Izvestiya</u>, 9 and 10 October 1953.

Throughout the report, Moscow State University has been used as $\mathfrak s$ short form for the Moscow Order of Lenin State University imeni M.V. Lomonosov and Leningrad State University has been used for the Leningrad State Order of Lenin University imeni A. A. Zhdanov.7

I. ARTICLE BY NESMEYANOV

Sessions of the departments and a general meeting of the Academy of Sciences USSR devoted to the election of Academicians and Corresponding Members will be held 19 - 24 October 1953. Lists of candidates have been published to stimulate extensive discussion of their merits.

To be elected are 53 Academicians and 126 Corresponding Members; 144 scientists have been nominated for Academician vacancies and 644 for Corresponding Member vacancies. This will be the largest number elected to the academy in its history, and constitutes evidence of the demands made upon the academy by the country.

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PRESENTATION

Soviet science is confronted with the problems of expanding and intensifying its activity and of correctly selecting the key scientific problems, i.e., those problems whose solution will reveal new potentialities for implementation of the gradual transition from socialism to Communism. Solution of these problems requires that the staff of the highest scientific institution of the country, the Academy of Sciences, be augmented. Elections to the academy publicly manifest the growth of scientific cadres and of their accomplishments.

At present, the academy, with its institutes and affiliates, constitutes a widely dispersed network of scientific institutions. The academy, which reflects the best scientific and cultural accomplishments of the country, is science in the union republics through 12 republic Academies of Sciences; the academy took active part in the establishment of these academies and the academy took in the scientific work. It is connected with science in Sciences are northlying areas through its network of affiliates, which extends from the Far North to the Crimea and the Caucasus, from the Moldavian SSR through the Urals and Siberia to the Far East.

According to the charter of the academy, scientists who have furthered science by important works and who have contributed to the construction of socialism by their research activity may be elected members of the academy. After publication of notices of vacancies, the Soviet scientific community discusses and nominates candidates. Candidates for Academician and Corresponding Members can be nominated by scientific councils of scientific research institutions, ministries, councils of universities and higher educational institutions, and also by plants, scientific and technical societies, individual scientists, and groups of scientists.

From the large number of scientists nominated for the vacancies, the Academy selects those who have proved themselves by their creative work. The departments of the academy at their general meetings using the reports of their expertise commissions, Judge the candidates nominated by the scientific community. Particular attention will be given to the strengthening of promising

The largest number of additions to the academy will come in the departments of Physicomathematical and Technical Sciences. In the physicomathematical sciences, 15 Active Members and 25 Corresponding Members will be selected. Because of the extensive development and high level of the physical sciences and mathematics in the USSR, we have every opportunity to select the best-qualified candidates. Many scientists of world renown are included in the 41 candidates for Academician and the 129 candidates for Corresponding Member.

The field of physics provides information for power engineering, electrical engineering, radio engineering, illuminating engineering, and acoustic engineering. The accomplishments of our scientists have permitted us to master the processes of liberating the colossal energy of the atomic nucleus.

Outstanding mathematicians will be elected to the academy. A new branch of mathematics connected with the development and application of the so-called computers, has recently arisen. These are complex machines capable of carrying out hundreds of thousands of mathematical operations per minute and thus mathematics and also in many branches of physics, mechanics, and the technical sciences. The academy will add specialists in this very important new branch of mathematics.



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Important specialists in artronomy and astrophysics will be brought into the academy. In addition to their perceptional and philosophical importance, the development of these sciences is potentially of great practical importance. Astrophysicists observe and study states of matter and its transformations which we have just begun to reproduce in atomic nuclei, in atomic and thermonuclear explosions, etc. Complete mastery of these processes will give man powerful new forces.

The Department of Technical Sciences, which now has the largest staff of any department of the academy, will be strengthened by the addition of 14 Academicians and 30 Corresponding Members. Registered for these vacancies are 39 candidates for Academician and 191 for Corresponding Member. The rapidly developing fields of radio engineering, electronics, telemechanics, and automatics are well represented. The academy will also obtain scientists specializing in power and electrical engineering, electrical machine building, hydraulic engineering, metallurgy, machine studies, and mechanics. Our scientists are confronted by problems of hydroelectric power and complex utilization of various types of solid fuels (including the vast stores of combustible shales), the problem of developing and applying new engines, e.g., gas turbines, the problem of long-distance power transmission, and many others.

In the Department of Chemical Sciences, there are 14 candidates registered for the 6 Academician vacancies and 83 candidates registered for the 14 Corresponding Member vacancies. New chemical problems have been pased by heavy and light industry and by agriculture. The development of plastics which can replace metals in machine building, of synthetic wool and synthetic leather, new methods for obtaining synthetic rubber from various raw materials, the obtaining of by-products of petroleum and gases for all these purposes -- all these are problems for organic chemistry, the chemistry of high-molecular compounds, and petroleum chemistry. These problems also include the development of new chemicopharmaceutical products, brighter and more stable dyes, luminophors, insecticides, and herbicides.

Success in the solution of all these problems will depend upon the friendly cooperation of chemists specializing in synthetic materials with physicists and physical chemists. More intensive work is required to extend our knowledge of the relationship of molecular structure with the chemical, physical, and mechanical properties of substances and the materials formed from them. Better control of chemical processes is required and this in turn demands a more thorough knowledge of the laws governing these processes. Inorganic chemistry is confronted with the problem of obtaining and using compounds of all elements of the periodic system, including the widely distributed elements and the rare earths. There is as much titanium in the earth's crust as carbon, but it has not, as yet, found its deserved application, despite the fact that this is a metal of the future, light, heat-resistant, and as strong as steel. The rare element germanium, which was predicted by Medeleyev and recently obtained in the amount of several grams, has now become a very important material in new electronic techniques.

The Department of Geologicogeographical Sciences is being greatly expanded, chiefly by bringing in geologists with different specialties and geochemists. There are 27 candidates registered for the 3 Academician vacancies and 98 for the 21 Corresponding Member vacancies. The number of scientists concerned with general problems of geological science will be greatly increased. These persons will be called upon to generalize the experimental data accumulated in geological mineral prospecting practice. Scientists specializing in the geology of ore deposits, petroleum geology, coal deposits, hydrogeology, petrography, and mineralogy will also be selected. Thus, the department will be able to extend its research on all problems of the earth's crust and will conduct this research in the closest cooperation with geophysicists.

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The role of the Department of Biological Sciences in providing measures for a marked increase in the production of food products and consumer goods is also very important. This department will also be strengthened; there are 99 candidates registered for the 24 Academician and Corresponding Member vaccincies. These candidates represent many branches of biological science senetics, botany, plant physiology, microbiology, entomology, ichthyology. Physiology, biochemistry, soil studies, etc. The election of the new candidates will undoubtedly help our biologists to solve the problems brought to them by agriculture, livestock raising, fishing, and the many branches of industry concerned with the use of farm products. Progress in canning, baking, viniculture, the tea industry, and other branches of the food industry depends greatly upon the development of biochemistry and microbiology. Microbiology is very important to the understanding and control of the processes through which plants interact with the soil supplying them. Study of the processes of photosynthesis of plants, the primary source of energy and food for all living things, is very promising. Plant physiologists, along with biophysicists and biochemists, are assigned the leading role in this study.

Experience has shown that some of the most rapidly developing fields are those which lie on the boundaries of different sciences. For this reason, the academy will acquire specialists in a number of boundary sciences, i.e., geochemistry and geophysics, biochemistry, crystal chemistry, and crystal physics.

The three departments of social sciences will also be strengthened by the elections. The staff of the Department of Historical Sciences will be augmented by ten Academicians and Corresponding Members; there are 27 candidates registered for these vacancies. In the department of economic, philosophical, and legal sciences, 15 important scientists are registered as expedidates for the nine vacancies. There are 22 candidates registered for the three vacancies in linguistics.

II. LIST OF CAMDIDATES

The Academy of Sciences UESR, in accordance with Regulation No 17 of the academy, amounces the names of candidates for Academician which have been presented on the basis of notification from 22 July to 3 September 1953 workers, and individuals.

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Degrees, Honors, and Current Assignments

Organization and Individual Nominating the Candidate

DEPARTMENT OF PHYCLOCKASTERNATICAL SCIENCES

AKULOV Niholoy Senyoyuwich Active MemeAcad Set Belorussian SSR: Do Phys-Math Sei: Stalin Price timmer; Head of a chair, Moscow Mate University

Council, Moscow State Unitaristy: Sci Council, the Action of the Action of the Action of the Sci Belorussian Strict of the Action of the Actio

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Name

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Degrees, Honors, and Current Assignments

Organization and Individual Nominating the Candidate

ALELCANDROV Alexsandr Danilovich

Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Rector, Leningrad State University; Senior Sci Assoc, Mathematical Inst imeni V. A. Steklov, Acad Sci USSR

Sci Council, Leningrad State University

ALEKSANDROV Anntoliy Petrovich

Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Director, Order of Labor Red Banner Inst of Physical Problems imeni S. I. Vavilov, Acad Sci USSR

A collection of sei workers of Order of Labor Red Banner Inst of Physical Problems imeni S.I. Vavilov, Acad Sci USSR; Sci Council, Inst of High-Molecular Compounds, Acad Sci USSR: Sci Council, Inst of Chemical Physics, Acad Sci USSR; and others

/LEKSANDROV Pavel Sergeyevich

Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Senior Sci Assoc, Mathematical Inst imeni V.A. Stellov, Acad Sci USSR; Prof, Moscow State University

Sci Council, Eathematical Inst imeni V.A. Steklov, Acad Sci USSR; Council, Moscow State University; Presidium, Acad Pedagogical Sci RSFSR; and others

ALIKHAN'YAN Artem Isakovich

Corr Hem Acad Sci USSR; Active Mem. Acad Sci Armenian SSR; Dr Phys-Hath Cet; Stalin Price winner; Director Physics Inst, Acad Sci Arrenian SSR; Head of a lab, Physics Inst imeni F.H. Lebedev, Acad Sci USSR; Head of a chair, Moscow Mechanics Inst

Sci Council, Physics Inst, Acad Sci Arrenian MMR; Council, Moscov Meeterics Inst; and others

AFBARTSUNYAN Vilitor Amazaspovich

Core Hem Land Sci USSR; Active Her Land Sci Armenian SSR: The Physicianth Cai; Stalin Prize Wilmen; President, Acad Sci Armenian SSR; Head of a chair, Yerevan Ctate University Imens V.M. Molotov

Sei Council. Cricer 'strophysics O'servater; 'bar' Cei USSR; Bureau, Dept or Phys-Math Sei, Acal Sei Armenian (SD: Cei Council, Lemingrad State University; Council, Roscow State University; and others

ANDREYEV Nikolay Nikolayevich

Corr Mem Acad Sci USSR; Or. Phys-Math Sci; Head of a lab, Physics Inst imeni P.N. Lebedev, Acad Sci USSR

Sci Council, Physics Instiment P.N. Lebedev Aced Car USCR; Central Sci Res Instof Radio Measurements; Mair Chamber (Glavnaya Palata) of Measures and Measuring Instruments, USC (and others

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Name

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Degrees, Honors, and Current Assignments Organization and Individual Nominating the Candidate

ARKAD'YEV Vladimir Konstantinovich

Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Prof, Moscow State University

Sci Council, Physics Faculty, Moscow State University; Academicians V.V. Shulaykin, B.A. Vvedensky, Corr Mem Acad Sci USSR A.S. Predvoditeley, and others; Central Sci Res Inst of Radio Measurements; and others

ARTSIMOVICH Lev Andreyevich

Corr Mem Acad USSR; Dr Phys-Math Sci; Prof, Moscow Mechanical Inst

A group of scientific workers of the Acad Sci USSR; Engineering Physics Faculty, Moscow Mechanical Inst; and others

BLOKHINTSEV Dmitriy Ivanovich

Corr Mem Acad Sci Ukrainian SSR; Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow State University Council, Moscow State University; Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Sci Council, Physicotechnical Inst, Acad Sci Ukrainian SSR; and others

BOGOLYUBOV Nikolay Nikolayevich

Corr Mem Acad Sci USSR; Active Mem, Acad Sci Ukrainien SSR Dr Phys-Math Sci; Stalin Prize winner; Head of a division, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Head of a chair, Moscow State University Sci Council, Mathematical
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Acad Sci USSR; Council
Moscow State University;
Presidium, L'vov Affiliate
of Acad Sci Ukrainian SSR;
Sci Council, Inst of Precision Mechanics and Computing
Techniques, Acad Sci USSR;
and others

BRUK Isaak Semenovich Corr Mem Acad Sci USSR; Dr Tech Sci; Head of a lab, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR

Academician N.G. Bruyevich

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Sci Council, Physicotechnical Inst, Acad Sci Ukrainian SSR

VEKSLER Vladimir Iosifovich Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Head of a lab, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Head of a chair, Moscow State University Sci Council, Physics Inst imeni P.N. Lebedev, Acad Sci USSR; Council, Moscow State University

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VELIKANOV

Mishail

Degrees, Honors, and Current Assignments

University

Corr Mem Acad Sci USSR; Dr Tech Sci; Honored Worker of Science RSFSR; Head of a chair, Moscow State

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DORODNITSYN Anatoliy Alevseyevich

Dr Tech Sci; Stalin Prize winner; Head of a division, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Prof, Moscow Physicotechnical

Academicians M.A. Levrent'yev, S.A. Khristianovich; Sci Council, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; Council Red Banner Order of Lenin Military Air Engineering Academy imeni N.Ye. Zhukovskiy; Inst of Mathematics, Acad Sci Ukrainian SSR; and others

Z EL'DOVICH Yakov Borisovich

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Name

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Degrees Honors, and Current assignments

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Leonidovich

Dr Phys-Math Fel; Stalic ... Prize vinner: Deputy Director, Physics Inst.imeni P.N. Lebedev, Acad Sci USSR; Prof, Moscov State University

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A group of scientific workers

Sei Council, Tomsk State University imeni V.V. Kuybysher-Council, Moscov State University; Sei Jouncil (Tomsh Order of Labor Red Banner Polytechnic Institute imeni S.N. Hirov; Muznetsh Metalungical Combine imeni Stalin; and others

Sci Council, Central Sci Res Inst of Ferrous Metallump; Council Moscow State University; Collection of Sci Workers, Order of Lebor Red Banner Inst of Physical Problems iment S.I. Vaviloy, Acad Sci USSR; Sci Council, Inst of Metallumy imeni ...4. Baykov, Local Cci USSR Ministry of the Metallumgical Industry USSR; and others

Sei Council, Inst of Precision Mechanics and Computing Techniques, Acad Cei USDA; Council, Hoseow State University; the Condens Sei Council, Inst of Electrical Engineering and Inst of Thermal Power Engineering, Acad Sei Ukrainian SCA; and others

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Degrees, Honors, and Current Assignments

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Degrees, Honors, and Current Assignments

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Degrees, Honors, and Current Assignments

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DEPARTMENT OF CHEMICAL SCIENCES

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Bureau, Council of Affiliates, Acad Sci USSR; Presidium, Kazan' Affiliate, Acad Sci USSR; Sci Council, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR; Sci Council, Kazan' State U imeni V.I. Ul'yanov-Lenin; several plants in the city of Kazan'; and others

GORYAYEV Mikhail Ivanovich

Active Mem, Acad Sci Kazakh SSR; Dr Tech Sci; Vice President, Acad Sci Kazakh SSR; Prof, Kazakh State University imeni S.M. Kirov

General meeting of sci workers, Inst of Chemical Sci, Acad Sci Kazakh SSR; Presidium, Acad Sci Kazakh SSR

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Sci Council, Leningrad Order of Labor Red Bamer Technological Inst imeni Lensovet; Sci Council, Institute of High Molecular Compounds, Acad Sci USSR; Sci Council, Leningrad State University; and others

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Academician A.F. Ioffe; Sci Council, Agrophysics Inst of All-Union Order of Lenin Acad of Agricultural Sciences imeni V.I. Lenin; Academician A.N. Frumkin

IZGARYSHEV Nikolay Alekseyevich

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Sci Council Moscow Order of Lenin Chemicotechnological Inst imeni D.I. Mendeleyev; Sci Council, Moscow Institute of Chemical Machine Building; and others

KARGIN Valentin Alekseyevich

Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Frize winner; Head of a lab, Order of Labor Red Benner Sci Res Physicochemical Inst imeni L.Ya. Karpov

Sci Council, Order of Labor Red Banner Sci Res Physicotechnical Inst imeni L:Tm: Karpov; Sci Council, Inst of Chemical Physics, Acad Sci USSR; Sci Council, Inst of High Molecular Compounds, Acad Sci USSR; and others

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Name

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Degrees, Honors, and Current Assignments

KNUNYANTS Ivan Lyudvigovich

Corr Mem Acad Sci USSR; Dr Chem Sci; Stalin Prize winner; Head of a chair, Military Academy of Chemical Defense imeni K.Ye. Voroshilov; Senior Sci Assoc, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR

KOBOZEV Nikolay Ivanovich

Dr Chem Sci; Prof, Moscow State University

KONDRAT'YEV Viktor Nikolayevich

Corr Mem Acad Sci USSR: Dr Phys-Math Sci; Stalin Prize winner; Deputy Director, Inst of Chemical Physics, Acad Sci USSR; Prof, Moscow Mechanical Inst

MEDVEDEV Sergey Sergeyevich

Corr Mem Acad Sci USSR; Honored Worker of Science and Engineering RSFGR; Dr Chem Sci; Stalin Prize winner; Deputy Director; Order of Labor Red Banner Sci Res Physicochemical Inst imeni L.Ya. Karpov; Kead of a chair, Moscov Inst of Pine Chemical Technology imeni M.Y. Lomonesov

NAZAROV Ivan Nikolayevich

Corr Mem Acad Sci; Dr Shem Sci; Stalin Prize winner; Head of a lab, Inst of Organic Chemistry imeni N.D. Zelinskiy, Acad Sci USSR; Head of a chair, Moscow Inst of Fine Chemical Technology imeni M.V. Lorenosov

TERENT YEV Aleksendr Petrovich Dr Chem Sci; Stellin Fride winner; Head of a chair, Moscow State University Organization and Individual Mominating the Candidate

Sci Council, Inst of Organic Chemistry, Acad Sci USSR; Council, Military Academy of Chemical Defense imeni K.Ye. Voroshilov; Chemistry Ind., Acad Sci Armenian SST and others

Council, Moscow State University

Sci Council, Inst of Chemics!
Physics, Acad Sci Uffr; Sci
Council, Inst of Physical
Chemistry, Acad Sci USSN;
Council, Moscow Mechanical
Inst; Sci Council, Order of
Labor Red Banner Sci Wes
Physicochemical Inst imeni
L.Ya. Karpov; and others

Sci Council, Order of Labor
Red Banner Sci Res Physicochemical Inst iment LaYa.
Karpov; Sci Council, Inst
of Chemical Physics, Acad
Sci USSR; Sci Council, Insof High-Molecular Compounds,
Acad Sci USSR; Sci Council
Moscow Inst of Fine Chemical
Technology imeni Pay.
Lomonosov; and others

Sei Council, Inst of Organic Chemistry Imeni N.D. Zelinskiy, Acad Cei USSR; Se. Council, Moneow Inst of Fine Chemical Technol logical imeni N.V. Lomo Osov: Theristry Inst, Acad Cel Accepted Cel Cond.

Col Tourell, English Comparise Chamberry is ont R.D. Colinskin, Acta Get Brief; Council, Hoseau Etter Walter, versity; Precision, 112 Unio. Chemical Hoseau Steel B.I. Hendeleys; and others



RESTRICTED -

Name

Degrees, Honors, and Current Assignments

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Organization and Individual Nominating the Candidate

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DEPARTMENT OF GEOLOGICCGEOGRAPHICAL SCIENCES

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RESTRICTED

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Degrees, Honors, and Current assignments

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Sci Ccuncil, L'vov State
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Sci Council, All Union Petroleum Sci Res Geological Prospecting Inst; a collective of geologists of the "Azneft" Combine; Presidium, Acad Sci Azerbaydzhan SSR; Sci Council, Saratov State University imeni N.G. Chernysheviskiy

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Sci Council, Geological Faculty, Central Asia State University; Sci Council, Inst of Geology, Acad Sci Uzbek SSR; Combined Sci Council, Geological Surveying and Mining Faculties, Central Asia Polytechnic Inst; and others



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Degrees, Honors, and Current Assignments

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Sci Council, Inst of Geological Sciences; Acad Sci USSF; Sci Council, Inst of Geography, Acad Sci USSR; Sci graphy, Acad Sci USSN; Sci Council That of Geochemis-try and Analytical Chemistry imeni V.I. Vernadskiy, Acad Sci USSR: Presidium, Council for Study of Productive Forces, Acad Sci USSR; Presidium, Kola Affiliate imeni S.M. Kirov,

Acad Sci USSR; and others

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ASRATYAN Ezras Asratovich

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Physiological Lab, Acad Sci

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Council, Stalingrad Agricultural Inst

and others

Organization and Individual

Sci Council, Inst of Petro-

leum Acad Sci USSR; Presi-

dium, West Siberian Affili.

filiate imeni V.L. Komarov, Acad Sci USSR; Ministry of Petroleum Industry USSP;

Sci Council, Inst of Geologi-

cal Sciences, Acad Sci USSR;

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logical Prospecting Inst

Inst of Mineral Raw Materials of Ministry of Geology and Conservation of Mineral Resources; Presidium, Council for the Study of Productive Forces, Acad Sci USSR; and others

imeni S. Ordzhonikidze;

Sci Council, All-Union

ate, Acad Sci USSR; Sci

Council, Far Eastern Af-

Nominating the Candidate

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RESERVED.

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Degrees, Honors, and Current assignments

IVANOVSMOLENSKIY Anatoliy Georgiyevich

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Sci Council, Inst of Higher Nervous Activity, Acad Sci USSR; Academician N.N. Anichkov; Presidium, All-Union Sci Medical Society of Neuropathologists and Psychiatrists; Moscow Society of Pathophysiologists

Sci Council, Inst of Microbiology, Acad Sci USSR; Academicians N.N. Anichkov N.V. Tsitsin, A.D. Sperenskiy, A.I. Abrikosov; Sci Council. Leningrad State University; Sci Council, Botanical Inst imeni V.L. Komarov, Acad Sci USSR; and others

Sci Council, Inst of Animal Morphology imeni A.N. Severtsov, Acad Sci USSR; Council, Moscow State University; Academicians K.I. Skryabin, V.M. Rodionov; Sci Council, Inst of Physiology imeni I.P. Pavlov, Acad Sci USSR; and others

Sci Council, Inst of Microbiology, Acad Sci USSR; Inst of Plant Physiology imeni K.A. Timiryazev, Acad Sci USSR; Moscow Department, All-Union Sci Res Inst of Agricultural Microbiology; and others

Sci Council, Inst of Physiology imeni I.P. Pavlov, Acad Sci USSR; Academician K.M. Bykov; Sei Council; Inst of Experimental Medicine. Acad Med Sci USSR; Sci Council, Inst of Microbiology, Acad Sci USSR; and others

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Degrees Honors, and Current Assignments

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DEPARTMENT OF TECHNICAL SCIENCES

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Organization and Individual Nominating the Candidate

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Sci Council, Inst of Soils imeni V.V. Dokuchayev, Acad Sci USSR; Council, Moscow State University; Sci Council, Leningrad State University; Presidium, Kola Affiliate imeni S.M. Kirov, Acad Sci USSR; Council, Stalingrad Agricultural Inst: and others

Sci Council, Inst of Microbiology, Acad Sci USSR; Council, Moscow State Uni-versity; Academicians A.I. Oparin, V.N. Sukachev; Sci Council, All-Union Sci Res Inst of Agricultural Microbiology; and others

Sci USSR; Council, Moscow State University; Academicians Ye.N. Pavlovskiy, K.I. Leningrad State University; Sci Council, Inst of Biological and Medical Chemistry, Acad Med Sci USSR; Ministry

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Name

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Degrees, Honors, and Current assignments

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Sci Council, Physicotechnical Inst, Acad Sci USSR; Council, Leningrad Polytechnic Inst imeni M.I. Kalinin; and others **STAT**



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PESTRICIED.

Name

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Degrees, Honors, and Current Assignments

Organization and Individual Nominating the Candidate

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Krzhizhanovskiy, Acad Sci
USSR; Academicians G.M.
Krzhizhanovskiy, M.V.
Kirpichev

Sci Council, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Sci Council, Inst of Machine Studies, Acad Sci USSR; Council, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov; and others

All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR; Sci Council, Moscow Electrical Engineering Inst of Communications; and others



RECOMMENSA

Name

Degrees, Honors, and Current Assignments

PLAKSIN Igor' Nikolayevich

Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Frize winner; Deputy Director, Inst of Mining, Acad Sci USSR; Head of a chair, Moscow Inst of Nonferrous Metals and Gold imeni M.I. Kalinin

PREDVODITELEV Aleksandr Savvich

Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner: Head of a lab, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR; Head of a chair, Moscow State University

RAKHMATULIN Khalil Akhmedovich

Active Mem Acad Sci Uzbek SSR; Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow State University; Senior Sci Assoc, Inst of Mechanics, Acad Sci USSR

SAMARIN Aleksandr Mikhaylovich

Corr Mem Acad Sci USSR; Dr Tech Sci; Acting Director, Inst of the History of Natural Sciences and Engineering, Acad Sci USSR; Head of a division, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Head of a chair, Moscow Order of Labor Red Banner Inst of Steel imeni I.V.

SEDOV Leonid Ivanovich Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Stalin Prize winner; Prof, Moscow State University Organization and Individual Nominating the Candidate

Sci Council, Inst of Mining, Acad Sci, USSR; Sci Council Metallurgical Faculty, Moscow Inst of Nonférrous Metals and Gold imeni M.I. Kalinin; Orgburo, All-Union Sci and Tech Society of Metallurgists; Council, Irkutsk Inst of Mining and Metallurgy; and others

Sci Council, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR; Council, Moscow State University; Sci Council, Marine Hydrophysics Inst, Acad Sci USSR; Sci Council, Inst of Mineral Fuels, Acad Sci USSR; Sci Council, Inst of Metallurgy imeni A.A. Baykov Acad Sci USSR; and others

Council, Inst of Structures, Acad Sci Uzbek SSR; Sci Council, Inst of Mathematics and Mechanics, Acad Sci Uzbek SSR; Sci Council, Sci Res Experimental Inst of the Ministry of Industrial Consumer Goods USSR

Sci Council, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Academicians G.M. Krzhizhanovskiy, M.A. Pavlov, N.T. Gudtsov; Inst of the History of Natural Sciences and Ergineering, Acad Sci USSR; and others

Council, Moscow State University; Sci Council, Inst of Mechanics, Acad Sci USSR; Sci Council, Mathematical Inst imeni V.A. Steklov, Acad Sci USSR; and others



DECERTORED

Degrees, Honors, and Current Assignments

STECHKIN Boris Sergeyevich

Name

Corr Mem Acad Sci USSR; Stalin Prize winner; Chief of a chair, Red Banner Order of Lenin Military Air Engineering Acad imeni N. Ye. Zhukovskiy; Head of a lab, Inst of Machine Studies, Acad Sci USSR

STYRIKOVICH Mirhail Adol'fovich

Corr Mem Acad Sci USSR; Dr Tech Sci; Head of a lab, Power Engineering Inst imeni G.M. Krzhizhanovskiy, Acad Sci USSR. Head of a chair, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov

TRUBIN Konstantin Georgiyevich Dr Tech Sci; Stalin Prize winner; Head of a chair, Moscow Order of Labor Red Banner Inst of Steel imeni I.V. Stalin

TUPOLEV Andrey Nikolayevich Corr Mem Acad Sci USSR; Dr Tech Sci; Honored Worker of Science and Engineering RSFSR; Hero of Socialists Labor; Stalin Prize winner

CHETAYEV Nikolay Gur'yevich

Corr Mem Acad Sci USSR; Dr Phys-Math Sci; Honored Worker of Science Tatar ASSR; Head of a division, Inst of Mechanics, Acad Sci USSR; Prof, Moscow State University

CHTZHIKOV David Mikhaylovich Corr Mem Acad Sci USSR; Dr Tech Sci; Stalin Prize vinner; Head of a division, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR Organization and Individual Nominating the Candidate

Council, Red Banner Order of Lenin Military Air Engineering Acad imeni N. Ye Zhukovskiy; Sci Council, Inst of Machine Studies, Acad Sci USSR; Academicians I.I. Artobolevskiy; Sci Council, Moscow Order of Lenin Aviation Inst imeni S. Ordzhonikidze; and others

Moscow Section, Sci and Tech Council, Central Sci Res Boiler and Turbine Inst imeni I.I. Polzunov; Ministry of Transport and Heavy Machine Building; Council, Moscow Order of Lenin Power Engineering Inst imeni V.M. Molotov

Sci Council, Moscow Order of Labor Red Banner Inst of Steel imeni I.V. Stalin; Sci Council, Central Sci Res Inst of Technology and Machine Building; Orgburo, All-Union Sci and Tech Society of Metallurgists; and others

Council, Red Banner Order of Lenin Military Air Engineering Academy imeni N.Ye. Zhukovskiy; Academician I.I. Artobolevskiy; Sci Council, Inst of Machine Studies, Acad Sci USSR; and others

Sci Council, Inst of Mechanics, Acad Sci USSR; Sci Council, Kazan' State University imeni V.I. Ul'yenov-Lenin; Academician I.I. Artobolevskiy; Sector of Mathematics and Mechanics, Acad Sci Armenian SSR; and others

Sci Council, Inst of Metallurgy imeni A.A. Baykov, Acad Sci USSR; Academicians M.A. Pavlov, N.T. Gudtsov, S.I. Vol'fkovich



RESTRICTED

Name

Degrees, Honors, and Current Assignments

SHAUMYAN Grigor Arutyunovich

Dr Tech Sci, Stalin Prize winner; Head of a chair, Moscow Order of Labor Red Banner Higher Technical School imeni Bauman

SHIMANSKIY Yulian Aleksandrovich

Corr Mem Acad Sci USSR; Dr Tech Sci; Honored Worker of Science and Engineering RSFSR; Stalin Prize winner

SHKLYARSKIY Feliks Nikolayevich

Dr Tech Sci; Head of a chair, Order of Labor Red Banner Mining Inst

Leningrad Order of Lenin and

Council, Leningrad Shipbuilding Inst; All-Union Sci and Tech Society of Shipbuilding Engineers; and o'hers

Organization and Individual

Sci Council, Moscow Order of

Bauman; Inst of the History

of Natural Sciences and Engineering, Acad Sci USSR; and

Nominating the Candidate

Labor Red Banner Higher

Technical School imeni

Combined meeting of the Chairs of Mining Mechanics and Mine Electrical Engineering, Moscow Mining Inst imeni I.V. Stalin; Sci Council, Mining Faculty, Novocherkask Polytechnic Inst imeni S. Ordzhonikidze; and others

SHCHUKIN Aleksandr Nikolayevich

Corr Mem Acad Sci USSR; Dr Tech Sci

All-Union Sci Council on Radio Physics and Radio Engineering, Acad Sci USSR

The Academy of Sciences USSR announces that 644 candidates have been put forward by scientific institutions, enterprises, societies, groups of scientific workers, and individuals for the 126 vacancies for Corresponding Member of the Academy of Sciences USSR, which were advertised between 22 July and 3 September 1953. The following is a list of the number of candidates and vacancies in each department:

Department of Physicomathematical Sciences 129 candidates for 25 varancies Department of Chemical Sciences 83 candidates for 14 vacancies Department of Geologicogeographical Sciences 98 candidates for 21 vacancies Department of Biological Sciences 87 candidates for 19 vacancies Department of Technical Sciences 191 candidates for 30 vacancies Department of Historical Sciences 21 candidates for 7 vacancies Department of Economic, Philosophical, and legal Sciences 13 candidates for 7 vacancies Department of Literature and Languages 22 candidates for 3 vacancies

> Academician A. Nesmeyanov, President of the Academy of Sciences USSR; Academician A. Topchiyev, Chief Scientific Secretary to the Presidium, Academy of Sciences USSR

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